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L1 same (advantag\$ or useful\$)

1

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L5

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DB=USPT; PLUR=YES; OP=OR

<u>L5</u>	L1 same (advantag\$ or useful\$)	1	<u>L5</u>
<u>L4</u>	L1 same biosensor	1	<u>L4</u>
<u>L3</u>	L1 same (DNA or RNA or oligonucleotide or polynucleotide or enzyme)	1	<u>L3</u>
<u>L2</u>	L1 same nucleic	0	<u>L2</u>
<u>L1</u>	multisensor near0 array	53	<u>L1</u>

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Term:

multisensor same (nucleic or enzyme or DNA or RNA
or oligonucleotide or polynucleotide)

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Logout

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Show S Numbers

Edit S Numbers

Preferences

Cases

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L1

multisensor same (nucleic or enzyme or DNA or RNA or
oligonucleotide or polynucleotide)

4

L1

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=> s multisensor(w)array
L1 51 MULTISENSOR(W) ARRAY

=> s l1 (p)(nucleic or enzyme or DNA or RNA or oligonucleotide or polynucleotide)
L2 1 L1 (P)(NUCLEIC OR ENZYME OR DNA OR RNA OR OLIGONUCLEOTIDE OR
POLYNUCLEOTIDE)

=> d bib ab 12

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2002:540185 CAPLUS

DN 137:90550

TI Gas-phase multiple sensor array and method for monitoring a PCR reaction
for detection of DNA in real time

IN Zenhausem, Frederic

PA USA

SO U.S. Pat. Appl. Publ., 21 pp., Division of U.S. Ser. No. 332,659.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 2002094531	A1	20020718	US 2001-961904	20010924
PRAI	US 1999-332659	A3	19990614		

AB App. and methods for monitoring, analyzing, and/or discriminating mol. species, preferably a biomol., within a medium using a **multisensor array** (MSA) and multivariate processing. Biol. compds. such as nucleotides and polynucleotides can be detected and analyzed. A reaction process such as an accumulation cycle of **nucleic acids** can be monitored, analyzed, and controlled using a **multisensor array** (MSA) and multivariate processing. Monitoring a biomol. includes interrogating the medium, and preferably its gas phase, by coupling a sensor responsive to any changes of the medium and or biomol. and its secondary products when, for example, an amplification reaction is proceeded. It is also a scope of the present invention to use direct detection and monitoring of biomol. reactions in real-time without radioactive or fluorescent labeling. A preferred application is real-time polymerase chain reaction (PCR) detection.

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